

About temperature in Global input block of kinos2

Posted by kuguoguo - 2009/04/21 05:29

I am jackaroo. So I don't know about temperature in Global input block of kinos2. Could you tell me it is water temperature, soil temperature or air temperature?

by the way, I know soil density of mix diameters soil, how to know soil density of every diameters? Use percent? but, I saw example different 2.65, 2.6, 2.6? how to know bulk of every diameters?

Thanks

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Re:About temperature in Global input block of kinos2

Posted by isburns - 2009/06/28 00:20

The temperature in the global block refers to air temperature.

I'm not sure I understand your second question about densities. The density in the global block refers to particle density, not bulk density. Do you have the bulk density of the soils and want to figure out how to calculate the particle density from that?

You can calculate particle density using porosity, bulk density, and the following equation: particle density = bulk density / (1 - porosity). Alternatively, you can measure it in a lab setting using the pycnometer or submersion methods.

Shea

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Re:About temperature in Global input block of kinos2

Posted by isburns - 2009/06/30 20:15

Correction, the temperature in the global block refers to water temperature. It is used to compute viscosity for the sediment transport equations.

Shea

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